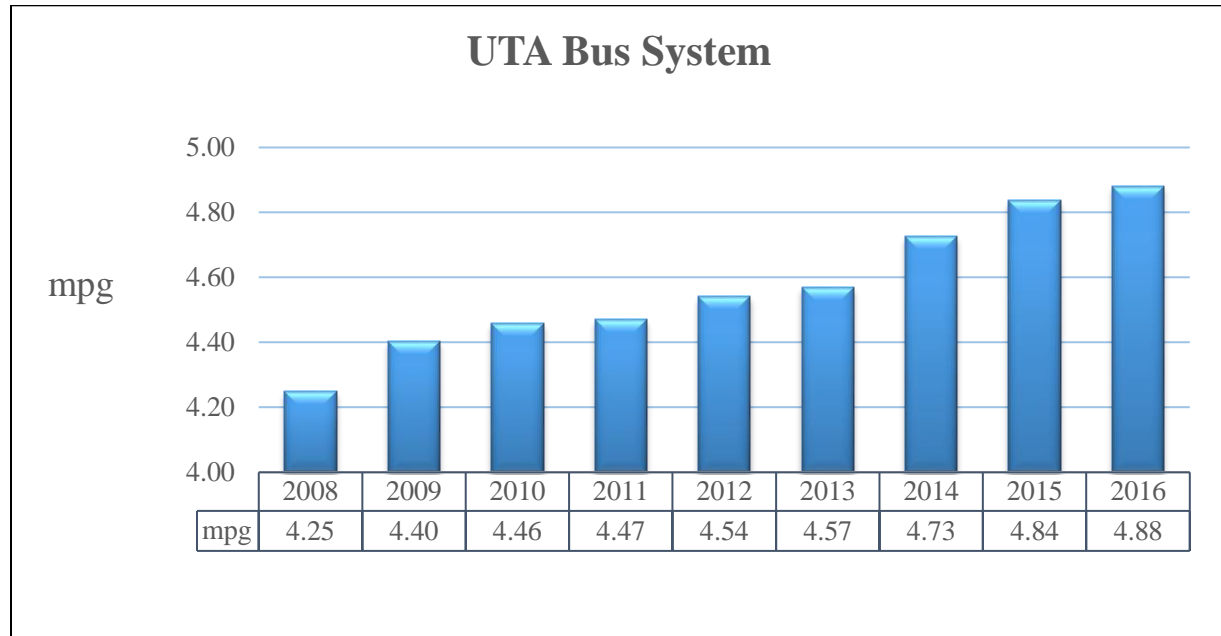


Utah Transit Authority

Engine Idling Reduction Program: Bus Fleet

UTA identified Fuel Consumption – Excessive Idling as one of its significant environmental aspects, using our Environmental Management System (EMS), ISO 14001. In 2008, UTA approved a policy, no. 4.4.13 Vehicle Engine Idling, to reduce air pollution and increase fuel savings by eliminating unnecessary bus idling at our maintenance facilities and at the end of the line (EOL) of our bus routes. UTA has been able to increase the mpg of our bus fleet in each subsequent year following 2008 (baseline year).



Benefit to the environment for year:

UTA is a Founding member of The Climate Registry. Annually, UTA calculates its total GHG emissions, both direct and indirect, for all of our emission sources. Emissions associated with fuel consumption are considered to be direct. Reduction in CO₂ emissions from UTA’s bus fleet fuel consumption is summarized in the table below.

CO ₂ Emissions Saved From Engine Idling Reduction					
Year	Bus Miles	Diesel Gallons	mpg	Fuel Saved	CO ₂ (e) tons Saved
2009	19,460,707	4,419,405	4.40	159,348	1,793
2010	18,989,309	4,258,660	4.46	209,181	2,354
2011	18,263,268	4,086,206	4.47	210,811	2,373
2012	17,547,585	3,863,712	4.54	264,918	2,981
2013	16,518,743	3,615,555	4.57	271,007	3,050
2014	15,890,270	3,361,530	4.73	377,163	4,245
2015	16,470,684	3,404,166	4.84	471,088	5,302
2016	16,623,690	3,405,385	4.88	505,869	5,693

- 1) “eGrid2012_Data.xls”, United States Environmental Protection Agency, 9/8/2015.
- 2) Fuel savings are normalized with 2008 mpg (4.25) as the baseline

Benefit or savings for company:

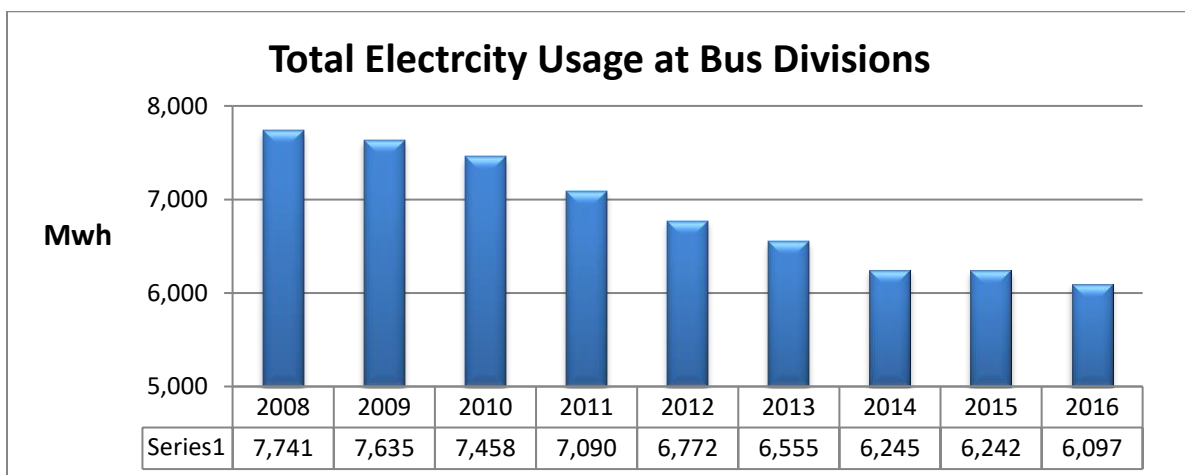
Electrical Conservation: Year to Year Savings at UTA Bus Divisions		
Year	\$/diesel gallon	Savings
2009	\$1.82/gallon	\$290,013.36
2010	\$2.36/gallon	\$493,667.16
2011	\$3.19/gallon	\$672,487.09
2012	\$3.23/gallon	\$855,685.14
2013	\$3.20/gallon	\$867,222.40
2014	\$3.10/gallon	\$1,169,205.30
2015	\$1.91/gallon	\$899,778.08
2016	\$1.49/gallon	\$753,744.81

1) Cost savings are based on the average price of diesel for each calendar year.

Energy Savings Program

UTA identified Energy Management – Electrical Usage as one of its significant environmental aspects, using our Environmental Management System (EMS), ISO 14001. In 2006, UTA identified the reduction of electrical energy usage as a Clean Utah project. In 2008, UTA reported the electricity usage at bus divisions (5) and established 2008 as a baseline.

UTA has achieved a reduction in electrical usage each year from the baseline year of 2008. The overall reduction from 2008 through 2016 was a 21.2% reduction in electrical consumption. The following graph illustrates the reduction in electrical usage at UTA bus maintenance facilities.

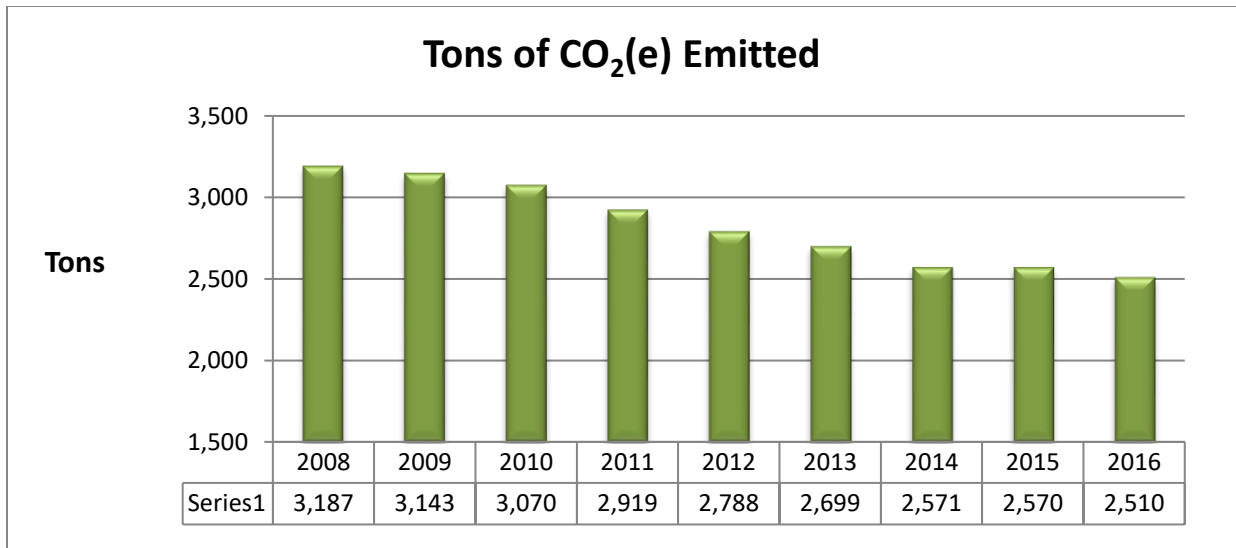


Benefit or savings for company:

The average cost per kilowatt-hour is approximately \$0.08.

Electrical Conservation: Year to Year Savings at UTA Bus Divisions		
Year	\$/kwh	Savings vs. 2008
2009	\$0.08/kwh	\$ 8,499.20
2010	\$0.08/kwh	\$22,656.00
2011	\$0.08/kwh	\$52,089.60
2012	\$0.08/kwh	\$77,497.60
2013	\$0.08/kwh	\$94,851.20
2014	\$0.08/kwh	\$119,713.60
2015	\$0.08/kwh	\$119,924.80
2016	\$0.08/kwh	\$131,494.40

The UTA is a Founding member of The Climate Registry. Annually, UTA calculates its total GHG emissions, both direct and indirect, for all of our facilities. Emissions associated with electricity consumption are indirect. Reduction in CO2 emissions from electrical consumption from this project is illustrated in the graph below.



Benefit to the environment for year:

CO2 Emissions From Electrical Usage at UTA Bus Divisions		
Year	Total Annual Emission	% Reduction from Baseline
2008*	3,187 tons	baseline
2009*	3,143 tons	1.4 %
2010*	3,070 tons	3.4 %
2011*	2,919 tons	8.4 %
2012**	2,788 tons	12.5 %
2013**	2,699 tons	15.3 %
2014**	2,571 tons	19.3 %
2015***	2,570 tons	19.4%
2016***	2,510 tons	21.2%

* "eGRID2007 Ver. 1.1 Year 2005

** "eGrid_9th_edition_year_2010_data.xls", United States Environmental Protection Agency, 2010.

*** "eGrid2012_Data.xls", United States Environmental Protection Agency, 9/8/2015.